

1813 - TRANSPORTATION ENGINEER

NATURE OF WORK

This is highly responsible professional work in the area of traffic and transportation engineering as related to parking. Employees assigned to this classification will primarily be responsible for developing and implementing all on-street and off-street regulatory plans. This includes performing traffic and/or parking studies to determine the effectiveness of new or existing parking turnover control methods, parking utilization for adjacent land uses, parking demand and recommending improvements. Serves as a liaison with the State of Florida Department of Transportation (FDOT) and/or metropolitan Dade County Traffic Engineering on transportation engineering issues.

ILLUSTRATIVE EXAMPLES OF WORK PERFORMED

Conducts curb space inventory of easement, alleys, streets and thoroughfares by observing vehicular movement, adjacent land uses, visibility of signs (promulgation of regulations) and other factors that may affect parking usage.

Draws graphs, diagrams, surveys or site plans to illustrate existing site characteristics.

Develops and implements plans for curb space and facility layout conforming to all municipal, county and state regulations; oversees installation progress to completion.

Collects traffic volume data by counting vehicles using manual and/or automated counters.

Performs parking occupancy and turnover studies by counting vehicles, compiling data, and reporting to supervisor.

Coordinates with other City Departments and/or local regulatory agencies as needed to implement recommended changes.

Directly supervises a Planning Technician and clerical support.

Interviews business owners/managers regarding parking problems and needs.

Summarizes information and prepares written report for supervisor's review.

May prepare detailed written reports outlining study findings and recommendations.

Maintains and updates drawings of parking facilities using knowledge of drafting techniques.

Designs brochures, decals, forms, and other visual aids used by Parking Department.

Participates in the design and/or modification of parking facilities.

Maintains logs and files of studies conducted for future reference.

Performs other related work as required.

KNOWLEDGE, SKILLS AND ABILITIES

Thorough knowledge of City and departmental rules, regulations, procedures, functions, operations and policies.

Ability to express ideas and information effectively, both orally and in writing.

Ability to establish and maintain effective working relationships with City officials, employees, and the

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general public.

Knowledge of public relations principles and practices.

Ability to plan, organize, and implement several projects simultaneously.

Knowledge of drafting techniques.

Knowledge of basic programming principles and techniques, including ability to operate Computer Aided Design (CAD).

Knowledge of County and State guidelines that govern traffic/parking studies and related improvements.

MINIMUM REQUIREMENTS

Graduation from an accredited college or university with a Bachelor's degree in Engineering that includes traffic engineering or systems design, including parking courses. Three years full time para-professional experience in the design and management of traffic and parking systems. Additional experience can substitute for education on a year-for-year basis.

PHYSICAL REQUIREMENTS

Must have the use of sensory skills in order to effectively communicate and interact with employees and the public through the use of the telephone and personal contact. Physical capability to effectively use and operate various items of office related equipment, such as, but not limited to, word processor, calculator, copier, and fax machine. Ability to perform duties under sometimes adverse conditions while collecting data, such as inclement weather, traffic fumes and noise, and to climb, bend, stoop, and reach overhead to obtain measurements.

SUPERVISION RECEIVED

General supervision is received from the Assistant Director.

SUPERVISION EXERCISED

None.

Rev. 11/98